

DOCKET NO.: SDG-000



PATENT

IFW

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

S. Douglas Galbraith

Application No.: 10/730,278

Filing Date: December 9, 2003

For: MESO-FREQUENCY TRAVELING WAVE ELECTRO-KINETIC  
CONTINUOUS ADSORPTION SYSTEM

Confirmation No.: 2556

Group Art Unit: 1723

Examiner: Not Yet Assigned

DATE OF DEPOSIT: August 9, 2004

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*Wendy A. Choi*

TYPED NAME: Wendy A. Choi  
REGISTRATION NO.: 36,697

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 CFR § 1.56 and in accordance with 37 CFR §§ 1.97-1.98, information relating to the above-identified application is hereby disclosed. Inclusion of information in this statement is not to be construed as an admission that this information is material as that term is defined in 37 CFR § 1.56(b).

- ☒ In accordance with § 1.97(b), since this Information Disclosure Statement is being filed either within three months of the filing date of the above-identified application, within three months of the date of entry into the national stage of

the above identified application as set forth in § 1.491, before the mailing date of a first Office Action on the merits of the above-identified application, or before the mailing date of a first Office Action after the filing of request for continued examination under § 1.114, no additional fee is required.

☐ In accordance with § 1.129(a), this Information Disclosure Statement is being filed in connection with ☐ the first or ☐ second After Final Submission, therefore:

☐ Certification in Accordance with § 1.97(e) is attached; or

☐ The fee of \$180.00 as set forth in § 1.17(p) is attached.

☐ In accordance with § 1.97(c), this Information Disclosure Statement is being filed after the period set forth in § 1.97(b) above but before the mailing date of either a Final Action under § 1.113 or a Notice of Allowance under § 1.311, or before an action that otherwise closes prosecution in the application, therefore:

☐ Certification in Accordance with § 1.97(e) is attached;

or

☐ The fee of \$180.00 as set forth in § 1.17(p) is attached.

☐ In accordance with § 1.97(d), this Information Disclosure Statement is being filed after the mailing date of either a Final Action under § 1.113 or a Notice of Allowance under § 1.311 but before, or simultaneously with, the payment of the Issue Fee, therefore included are: Certification in Accordance with § 1.97(e); and the submission fee of \$180.00 as set forth in § 1.17(p).

- ☐ Copies of each of the references listed on the attached Form PTO-1449 are enclosed herewith.
- ☒ Copies of references listed on the attached Form PTO-1449 are enclosed herewith.
- ☒ Copies of references listed on the attached Form PTO 1449 are not required to be submitted pursuant to the June 30, 2003 recent revisions to 37 CFR § 1.98(a)(2)(i).

## EXCEPT THAT:

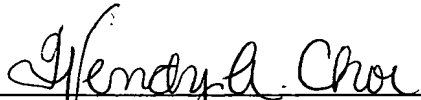
- ☐ In view of the voluminous nature of references [list as appropriate], and the likelihood that these references are available to the Examiner, copies are not enclosed herewith.
- ☐ In accordance with § 1.98(d), copies of the following references listed on the attached Form PTO-1449 are not enclosed herewith because they were previously cited by or submitted to the U.S. Patent and Trademark Office in patent application(s) for which a claim for priority under 35 U.S.C. § 120 have been made in the instant application:
- ☐ Copies of references [list as appropriate] listed on the attached Form PTO-1449 were previously cited by or submitted to the Patent and Trademark Office in prior Application No.

, filed

Please charge any deficiency or credit any overpayment to Deposit Account No. 23-3050. This form is submitted in duplicate.

There are no listed references which are not in the English language.

Date: August 9, 2004

  
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|---|---|--|--------------------------------------|
| <b>Form PTO-1449 Modified</b><br><br>List of Patent and Publications<br>Cited by Applicant<br>(Use several sheets if necessary)<br><br>U.S. Department of Commerce<br>Patent and Trademark Office |   | Docket No.<br><b>SDG-0002</b>  | Application No.<br><b>10/730,278</b> |
|   |   | Applicant<br><b>S. Douglas Galbraith</b>   |                                      |
|   |   | Filing Date<br><b>December 9, 2003</b>   | Group<br><b>1723</b>                 |
|   |   | Confirmation No.<br><b>2556</b>  |                                      |
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|   | 2 | Collins, P. et al., "Creating High Performance Conductive Composites with Carbon Nanotubes", <a href="http://www.Hyperioncatalysis.com">www.Hyperioncatalysis.com</a> , <i>Materials Managers Symposium</i> , <b>June 2004</b> , 8 pages   |                                      |
|   | 3 | Fuhr, G. et al., "Travelling Wave-Driven Microfabricated Electrohydrodynamic Pumps for Liquids", <i>J. Micromech. Microeng.</i> , <b>1994</b> , 217-226  |                                      |
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|   | 5 | Judkins, R.R. et al., "CO2 Removal from Gas Streams using a Carbon Fiber Composite Molecular Sieve", <i>8<sup>th</sup> Conference on Fundamentals of Absorption</i> , <b>May 2004</b> , 14 pages   |                                      |
|   | 6 | Kong, M.G. et al., "Wave Form to Produce most Efficiency Discharges", <i>Dept. of Electronic and Electrical Engineering</i> , <a href="http://www.ee.ualberta.ca/icops2002/programest/1A.htm">http://www.ee.ualberta.ca/icops2002/programest/1A.htm</a> , <b>April 20, 2004</b> , 1 page                                 |                                      |
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|   | 8 | Wang, R.Z. et al., "Adsorption Mechanism and Improvements of the Adsorption Equation for Adsorption Refrigeration Pairs", <i>International Journal of Energy Research</i> , <b>1999</b> , 23, 887-898  |                                      |
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| <b>EXAMINER</b>   |   | <b>DATE CONSIDERED</b>   |                                      |



**Form PTO-1449 Modified**

List of Patent and Publications  
Cited by Applicant  
(Use several sheets if necessary)

U.S. Department of Commerce  
Patent and Trademark Office

Docket No.  
**SDG-0002**

Application No.  
**10/730,278**

Applicant  
**S. Douglas Galbraith**

Filing Date  
**December 9, 2003**

Group  
**1723**

Confirmation No.  
**2556**

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**EXAMINER**

**DATE CONSIDERED**

